## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/051345

CLASSIFICATION OF SUBJECT MATTER PC 7 B01D50/00 C10G11/18 B01D45/16 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B01D F23J C10G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 4 556 479 A (BLACK ALAN J ET AL) 1 - 7.93 December 1985 (1985-12-03) column 2, lines 15-52 column 3, line 13 - column 4, line 42 column 6, lines 24-52; figure X US 6 551 565 B2 (GILMAN KEVIN R ET AL) 1-7 22 April 2003 (2003-04-22) column 2, line 46 - column 3, line 4 column 3, lines 51-60 column 4, line 37 - column 5, line 25; figure 3 X US 4 208 384 A (MITCHELL NORRIS W) 1-8 17 June 1980 (1980-06-17) column 2, line 61 - column 3, line 50; figure -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another diation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 10 November 2004 19/11/2004 Name and mailing address of the ISA Authorized officer Ruropean Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016 Maremonti, M Form PCT/ISA/210 (second sheet) (January 2004)

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